## SEQUENCE LISTING

<110> GLUCKSMANN, MARIA ALEXANDRA

<120> 93870, A HUMAN G-PROTEIN COUPLED RECEPTOR AND USES THEREFOR

<130> MPI2001-021P1RCP1(M)

<150> 60/272,677

<151> 2001-03-01

<160> 5

<170> FastSEQ for Windows Version 4.0

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<223> The nucleotide at position 1384 can be any nucleotide

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ggt gtc att tcc att ctt ttc ctc ctg gtg aaa atg aac acc cgg tca 317 Gly Val Ile Ser Ile Leu Phe Leu Leu Val Lys Met Asn Thr Arg Ser 45 50 55

gtg acc acc atg gcg gtc att aac ttg gtg gtg gtc cac agc gtt ttt 365 Val Thr Thr Met Ala Val Ile Asn Leu Val Val Val His Ser Val Phe 60 70

ctg ctg aca gtg cca ttt cgc ttg acc tac ctc atc aag aag act tgg 413 Leu Leu Thr Val Pro Phe Arg Leu Thr Tyr Leu Ile Lys Lys Thr Trp 75 80 85

atg ttt ggg ctg ccc ttc tgc aaa ttt gtg agt gcc atg ctg cac atc

Met Phe Gly Leu Pro Phe Cys Lys Phe Val Ser Ala Met Leu His Ile
90 95 100 105

cac atg tac ctc acg ttc cta ttc tat gtg gtg atc ctg gtc acc aga 509

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Asn Ser Ser Cys Asp Pro Ile Val Thr Pro His Leu Ile Ser Leu Tyr
            2.0
                                25
Phe Ile Val Leu Ile Gly Gly Leu Val Gly Val Ile Ser Ile Leu Phe
                            40
                                                45
Leu Leu Val Lys Met Asn Thr Arg Ser Val Thr Thr Met Ala Val Ile
                        55
                                             60
Asn Leu Val Val His Ser Val Phe Leu Leu Thr Val Pro Phe Arg
                   70
                                     75
Leu Thr Tyr Leu Ile Lys Lys Thr Trp Met Phe Gly Leu Pro Phe Cys
               85
                                    90
Lys Phe Val Ser Ala Met Leu His Ile His Met Tyr Leu Thr Phe Leu
                                105
            100
Phe Tyr Val Val Ile Leu Val Thr Arg Tyr Leu Ile Phe Phe Lys Cys
                            120
                                                 125
       115
Lys Asp Lys Val Glu Phe Tyr Arg Lys Leu His Ala Val Ala Ala Ser
130 135 140
Ala Gly Met Trp Thr Leu Val Ile Val Ile Val Val Pro Leu Val Val 145 150 155
                    150
Ser Arg Tyr Gly Ile His Glu Glu Tyr Asn Glu Glu His Cys Phe Lys
                                  170
Phe His Lys Glu Leu Ala Tyr Thr Tyr Val Lys Ile Ile Asn Tyr Met
          180
                                185
                                                     190
Ile Val Ile Phe Val Ile Ala Val Ala Val Ile Leu Leu Val Phe Gln 195 200 205
Val Phe Ile Ile Met Leu Met Val Gln Lys Leu Arg His Ser Leu Leu 210 215 220
                     215
                                           220
Ser His Gln Glu Phe Trp Ala Gln Leu Lys Asn Leu Phe Phe Ile Gly
                                       235
                 230
Val Ile Leu Val Cys Phe Leu Pro Tyr Gln Phe Phe Arg Ile Tyr Tyr
245 250 255
                245
                                   250
Leu Asn Val Val Thr His Ser Asn Ala Cys Ser Ser Lys Val Ala Phe
         260
                               265
Tyr Asn Glu Ile Phe Leu Ser Val Thr Ala Ile Ser Cys Tyr Asp Leu
275 280 285
Leu Leu Phe Val Phe Gly Gly Ser His Trp Phe Lys Gln Lys Ile Ile
                       295
                                             300
Gly Leu Trp Asn Cys Val Leu Cys Arg
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Met Gln Lys Cys Asp Phe Pro Ser Met Pro Gly His Asn Thr Ser Arg
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aat tee tet tge gat eet ata gtg aca eec eac tta ate age ete tae
Asn Ser Ser Cys Asp Pro Ile Val Thr Pro His Leu Ile Ser Leu Tyr
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							ctg Leu 40									144
							cgg Arg									192
							gtt Val									240
							act Thr									288
							cac His									336
							acc Thr 120									384
							aga Arg									432
gct Ala 145	gly ggc	atg Met	tgg Trp	acg Thr	ctg Leu 150	gtg Val	att Ile	gtc Val	att Ile	gtg Val 155	gta Val	ccc Pro	ctg Leu	gtt Val	gtc Val 160	480
							gaa Glu									528
							aca Thr									576
							gtt Val 200									624
							gtg Val									672
tcc Ser 225	cac His	cag Gln	gag Glu	ttc Phe	tgg Trp 230	gct Ala	cag Gln	ctg Leu	aaa Lys	aac Asn 235	cta Leu	ttt Phe	ttt Phe	ata Ile	ggg Gly 240	720
gtc Val	atc Ile	ctt Leu	gtt Val	tgt Cys 245	ttc Phe	ctt Leu	ccc Pro	tac Tyr	cag Gln 250	ttc Phe	ttt Phe	agg Arg	atc Ile	tat Tyr 255	tac Tyr	768
							aat Asn									816
							gta Val 280									864

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ctt ctc ttt gtc ttt ggg gga agc cat tgg ttt aag caa aag ata att
Leu Leu Phe Val Phe Gly Gly Ser His Trp Phe Lys Gln Lys Ile Ile
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ggc tta tgg aat tgt gtt ttg tgc cgt
                                                                939
Gly Leu Trp Asn Cys Val Leu Cys Arg
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         2.0
                              25
                                                  3.0
Phe Gly Ile Thr Val Pro Thr Pro Leu Tyr Ser Leu Val Phe Ile Ile
                          40
       35
                                            45
Gly Val Ile Gly His Val Leu Val Val Leu Val Leu Ile Gln His Lys
                    55
                                         60
Arg Leu Arg Asn Met Thr Ser Ile Tyr Leu Phe Asn Leu Ala Ile Ser
                  70
65
                                    75
Asp Leu Val Phe Leu Ser Thr Leu Pro Phe Trp Val Asp Tyr Ile Met
             85
                                  90
Lys Gly Asp Trp Ile Phe Gly Asn Ala Met Cys Lys Phe Val Ser Gly 100 105 110
Phe Tyr Tyr Leu Gly Leu Tyr Ser Asp Met Phe Phe Ile Thr Leu Leu 115 120 125
       115
                          120
                                             125
Thr Ile Asp Arg Tyr Leu Ala Val Val His Val Val Phe Ala Leu Arg
                                          140
                       135
Ala Arg Thr Val Thr Phe Gly Ile Ile Ser Ser Ile Ile Thr Trp Val
                                   155
                150
Leu Ala Ala Leu Val Ser Ile Pro Cys Leu Tyr Val Phe Lys Ser Gln
                                 170
             165
                                                      175
Met Glu Phe Thr Tyr His Thr Cys Arg Ala Ile Leu Pro Arg Lys Ser
           180
                              185
Leu Ile Arg Phe Leu Arg Phe Gln Ala Leu Thr Met Asn Ile Leu Gly
                                           205
                        200
Leu Ile Leu Pro Leu Leu Ala Met Ile Ile Cys Tyr Thr Arg Ile Ile
   210
                    215
                                        220
Asn Val Leu His Arg Arg Pro Asn Lys Lys Lys Ala Lys Val Met Arg
                 230
                                     235
Leu Ile Phe Val Ile Thr Leu Leu Phe Phe Leu Leu Leu Ala Pro Tyr
               245
                                  250
Tyr Leu Ala Ala Phe Val Ser Ala Phe Glu Asp Val Leu Phe Thr Pro
         260
                              265
Ser Cys Leu Arg Ser Gln Gln Val Asp Leu Ser Leu Met Ile Thr Glu
       275
                          280
                                              285
Ala Leu Ala Tyr Thr His Cys Cys Val Asn Pro Val Ile Tyr Val Phe
                      295
                                          300
Val Gly Lys Arg Phe Arg Lys Tyr Leu Trp Gln Leu Phe Arg Arg His
                   310
                                      315
Thr Ala Ile Thr Leu Pro Gln Trp Leu Pro Phe Leu Ser Glu Asp Arg
               325
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Ala Gln Arg Ala Ser Ala Arg Leu Pro Ser Thr Val Glu Ile Glu Thr
           340
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Ser Ala Asp Leu
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355

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Val Phe Leu Ser Thr Leu Pro Phe Trp Val Asp Tyr Ile Met Lys Gly
            20
                                 25
                                                     30
Asp Trp Ile Phe Gly Asn Ala Met Cys Lys Phe Val Ser Gly Phe Tyr
                            40
                                                 45
Tyr Leu Gly Leu Tyr Ser Asp Met Phe Phe Ile Thr Leu Leu Thr Ile
    50
                        55
                                             60
Asp Arg Tyr Leu
65
<210> 6
<211> 17
<212> PRT
<213> Artificial Sequence
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<221> VARIANT
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<223> The amino acid at position 1 can be S or T or A or
      Lor I or V or M or F or Y or W or C
<221> VARIANT
<222> (2)...(2)
<223> The amino acid at position 2 can be S or T or A or
      N or P or D or E
<221> VARIANT
<222> (3)...(3)
<223> The amino acid at position 3 can not be E or D or
      P or K or R or H
<223> The amino acid at position 4 and at position 5 can
      be any amino acid
<221> VARIANT
<222> (6)...(6)
<223> The amino acid at position 6 can be I or V or M or
      N or Q or G or A
<223> The amino acid at position 7 and at position 8 can
      be any amino acid
<221> VARIANT
<222> (9)...(9)
<223> The amino acid at position 9 can be I or V or M or
      F or T
<221> VARIANT
<222> (10)...(10)
<223> The amino acid at position10 can be S or T or A or
      N or C
<221> VARIANT
<222> (11)...(11)
<223> The amino acid at position 11 can be I or V or M
      or F or Y or W or S or T or A or C
```

Leu

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<221> VARIANT
<222> (12)...(12)
<223> The amino acid at position 12 can be E or N or H

<221> VARIANT
<222> (14)...(14)
<223> The amino acid at position 14 can be Y or W or C or S or H

<223> The amino acid at position 15 and at position 16 can be any amino acid

<221> VARIANT
<222> (17)...(17)
<223> The amino acid at position 17 can be I or V or M

<400> 6
Gly Gly Gly Xaa Xaa Leu Xaa Xaa Leu Gly Leu Asp Arg Phe Xaa Xaa 1
5
15
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